

Fourth Grade Science

SOL 4.1 The student will plan and conduct investigations in which

- a) distinctions are made among observations, conclusions, inferences, and predictions;
- b) hypotheses are formulated based on cause-and-effect relationships;
- c) variables that must be held constant in an experimental situation are defined;
- e) appropriate metric measures are used to collect, record, and report data;

SOL 4.7 The student will investigate and understand the relationships among the Earth, moon, and sun.

- d) historical contributions in understanding the Earth-moon-sun system

Sixth Grade Science

SOL 6.1 The student will plan and conduct investigations in which

- c) precise and approximate measurements are recorded;
- d) scale models are used to estimate distance, volume, and quantity;
- e) hypotheses are stated in ways that identify the independent (manipulated) and dependent (responding) variables;
- f) a method is devised to test the validity of predictions and inferences;
- g) one variable is manipulated over time, using many repeated trials;
- h) data are collected, recorded, analyzed, and reported using appropriate metric measurements;
- i) data are organized and communicated through graphical representation (graphs, charts, and diagrams);
- j) models are designed to explain a sequence; and
- k) an understanding of the nature of science is developed and reinforced.

SOL 6.8 The student will investigate and understand the organization of the solar system and the relationships among the various bodies that comprise it. Key concepts include:

- a) the sun, moon, Earth, other planets and their moons, meteors, asteroids, and comets;
- c) the role of gravity;
- i) the history and technology of space exploration

Sixth Grade Social Studies

SOL USI.2 The student will use maps, globes, photographs, pictures, and tables to

- b) locate and describe the location of the geographic regions of North America: Coastal Plain, Appalachian Mountains, Canadian Shield, Interior Lowlands, Great Plains, Rocky Mountains, Basin and Range, and Coastal Range.

Essential Knowledge- geographic regions- locations and physical characteristics

Visual Arts

Fifth Grade

5.17 The student will compare contemporary and historical art and architecture

Eighth Grade

8.13 The student will identify and analyze art and architecture from various world cultures, periods, or civilizations by styles, symbolism, and technological impact.

National History:

Era 9:

STANDARD 1:

The economic boom and social transformation of postwar United States.

- Standard 1C-*The student understands how postwar science augmented the nation's economic strength, transformed daily life, and influenced the world economy.*